F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) WRS-2	WILL	228	178
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTION

- ℄ Pier 2
- Existing pier to remain
- See Section B-B
- Prop. T/Shoulder
- Exist. Grade
- 3'-6" Min.
- 3-#5d(E) Epoxy grouted bars @ 24" cts., E.F.

PIER ELEVATION

- ℄ Black Road
- h(E) bars
- 9" Typ.
- 1-#5d(E) Epoxy grouted bar E.F. (Typ. 8 locations) See Note 6
- h1(E) bars
- s(E) bars (Typ.)
- h1(E) bars
- h(E) bars
- Proposed T/Crashwall El. 588.19 (Typ.)
- Existing T/Crashwall El. 586.19
- Proposed T/Road El. varies from 584.51 to 584.65 (SB) from 583.59 to 583.74 (NB)
- Existing Grade
- 6"
- 6-#5d(E) Epoxy grouted bars @ 24" cts., E.F.
- 6-#5d(E) Epoxy grouted bars @ 24" cts., E.F.
- 3-#5d(E) Epoxy grouted bars @ 24" cts., E.F.

SECTION B-B

- ℄ Pier 2
- 2'-6"
- 2'-0" ±
- T/Crashwall El.
- h(E) or h1(E) bars
- 2" cl. (Typ.)
- s(E)
- d(E) Epoxy grouted bar, Typ.
- 9"
- 6" 6"

Bar d(E)

- 1'-6" 7"
- 5"

Bar s(E)

- 1'-8"
- 2'-2"
- 4½"

PLAN SECTION A-A

- ℄ Black Road
- 52'-0"
- 2'-6" 4'-6" 6'-6" 10'-6" 4'-0" 10'-6" 6'-6" 4'-6" 2'-6"
- 5-#4s(E) bars @ 12" cts.
- 11-#4s(E) bars @ 12" cts.
- 11-#4s(E) bars @ 12" cts.
- 5-#4s(E) bars @ 12" cts.
- 2'-6"
- 1'-6" See Note 6
- d(E) bars (Typ.)
- d(E) bars (Typ.), See Note 6
- ℄ Pier 2 and ℄ I-55
- 8-#4h(E) bars As shown in Section B-B.
- 8-#4h1(E) bars As shown in Section B-B.
- 8-#4h1(E) bars As shown in Section B-B.
- 8-#4h(E) bars As shown in Section B-B.

BAR LIST

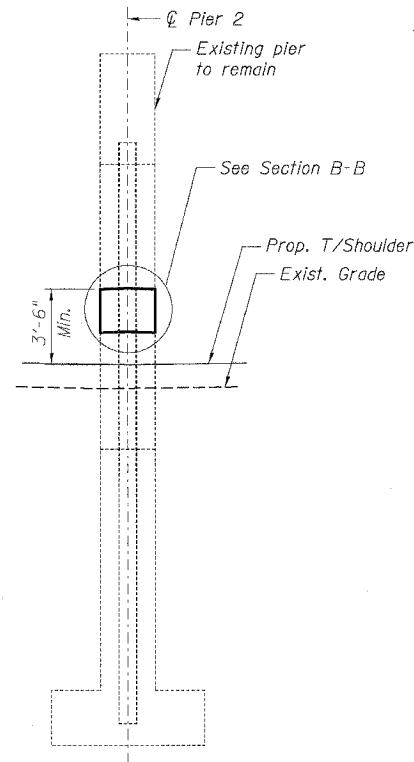| Bar	No.	Size	Length	Shape
d(E)	52	#5	2'-1"	⊃
h(E)	16	#4	4'-2"	—
h1(E)	16	#4	10'-2"	—
s(E)	32	#4	8'-5"	□

TOTAL BILL OF MATERIAL

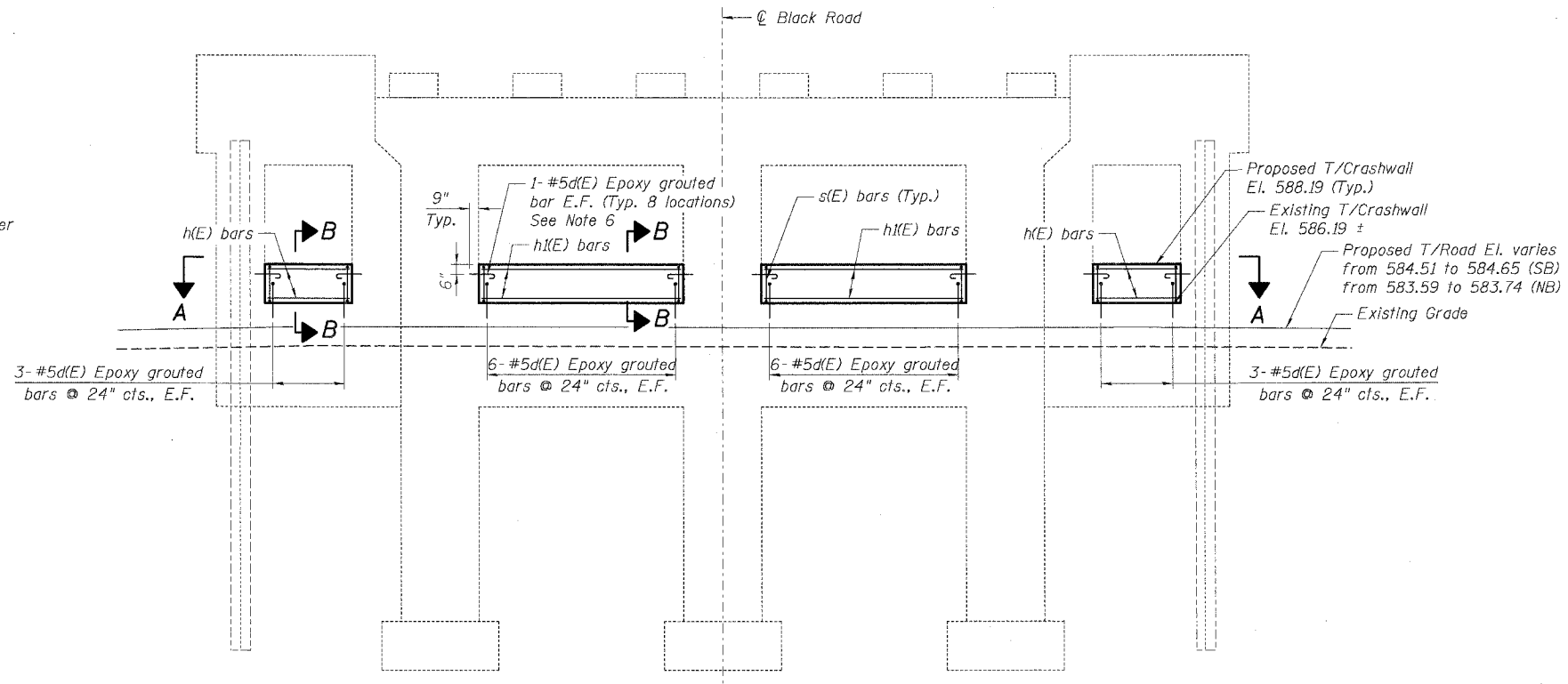| Item	Unit	Total
Concrete Structures	Cu Yd	5.6
Reinforcement Bars, Epoxy Coated	Lb	450
** Concrete Sealer	Sq Ft	195

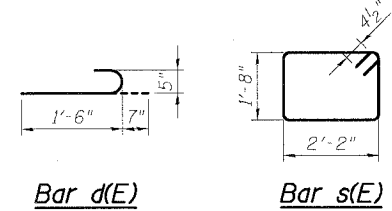** Quantity includes top and side surfaces of new concrete.
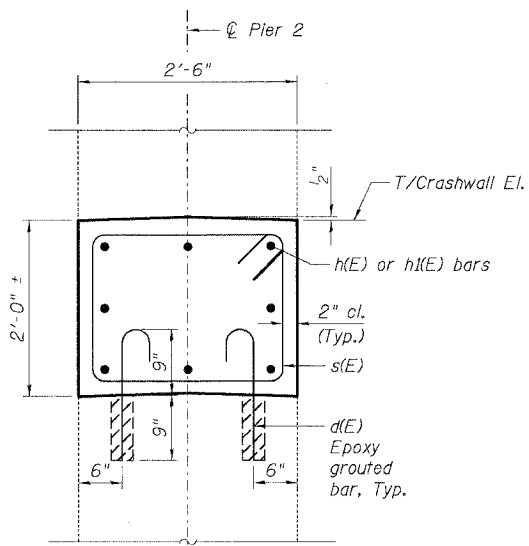
DATE 1/30/07
EXP. 11/30/08

GENERAL NOTES

1. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

2. All construction joints shall be bonded.

Notes:

1. E.F. denotes Each Face.
2. All edges shall have ¾" chamfer unless noted otherwise.
3. Bars designated (E) shall be epoxy coated.
4. Minimum embedment depth of 9" shall be provided for epoxy grouted bars.
5. Epoxy grouted bars shall be in accordance with Article 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
6. Contractor shall ensure that vertical bars in pier columns are not damaged. Any damage to existing vertical bars in pier columns shall be repaired. Repairs shall be made as directed by the Engineer.

MORCOM, N.V., INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

SHT. 1 OF 1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (BLACK ROAD TO U.S. 30)
WIDENING AND RESURFACING
BLACK ROAD OVER I-55, S.N. 099-0209
STA. 100+00.34, SECTION 99 (1&2) WRS-2
WILL COUNTY

PIER 2

SCALE:
DATE 02/23/07
DRAWN BY MW
CHECKED BY MJK

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS